# PT-IQ-5-EX-BE-UT - Surge protection base-element

2905497

https://www.phoenixcontact.com/gb/products/2905497

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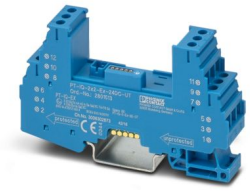
Base element for protective plug PLUGTRAB PT-IQ-2X2-EX



## Product description

DIN rail connector not included with delivery of PT-IQ basic element (PT-IQ-17,5-TBUS-5-2.0). Required DIN rail connectors must be ordered separately.

## Commercial data

| | |
|---|---|
| Item number | 2905497 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL2152 |
| Product key | CL2152 |
| GTIN | 4046356958189 |
| Weight per piece (including packing) | 90.5 g |
| Weight per piece (excluding packing) | 62 g |
| Customs tariff number | 85363010 |

| | |
|---|---|
| Country of origin | DE |

## Technical data

### Notes

General

| | |
|---|---|
| Note | This item is a replacement base element for accommodating surge protection plugs from the PLUGTRAB PT-IQ product family (note compatibility). |
| | The base element contains the contacts that convey the remote signaling and power supply to the protective plug. |

### Product properties

| | |
|---|---|
| Product type | Base element |
| Product family | PLUGTRAB IQ |
| Type | Base element, DIN rail mounting |
| Number of positions | 5 |

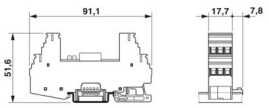
Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Pollution degree | 2 |

### Connection data

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 Nm |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section AWG | 24 ... 14 |

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 17.7 mm |
| Height | 91.1 mm |
| Depth | 51.6 mm |
| Horizontal pitch | 1 HP |

### Material specifications

| | |
|---|---|
| Color | blue (RAL 5015) |
| | gray (RAL 7042) |
| Flammability rating according to UL 94 | V-0 |
| Housing material | PA 6.6 |

### Mechanical properties

Mechanical data

| | |
|---|---|
| Open side panel | No |

## Protective circuit

| | |
|---|---|
| Rated current | 350 mA |
| Resistance per path | 1.2 Ω ±5 % |
| Surge protection fault message | none |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 (with inserted protective plug) |
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Altitude | ≤ 2000 m (amsl) |

## Standards and regulations

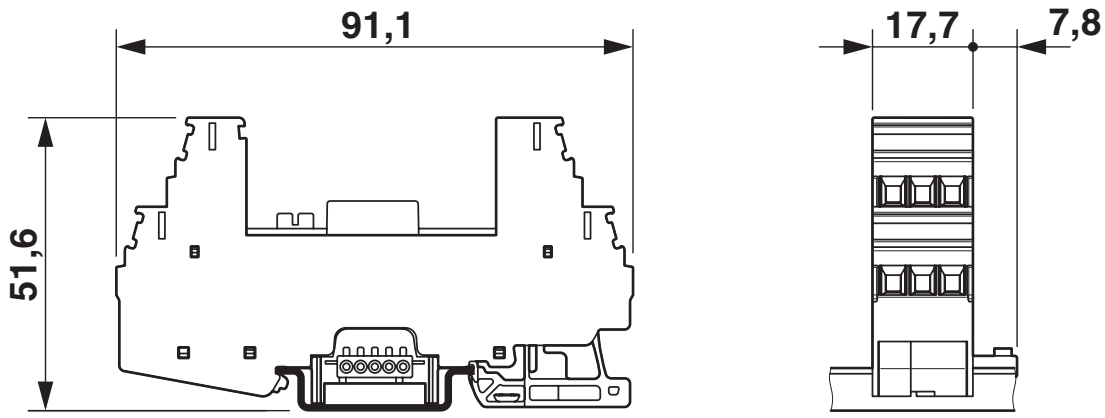
| | |
|---|---|
| Standards/specifications | EN 61643-21 |
| Note | A2:2013 |
| Standards/specifications | IEC 61643-21 |
| Note | A2:2012 |
| Standards/specifications | EN 60079-0 |
| Note | 2018 |
| Standards/specifications | EN 60079-11 |
| Note | 2012 |
| Standards/specifications | EN 60079-15 |
| Note | 2010 |
| Standards/specifications | IEC 60079-0 |
| Note | 2017 |
| Standards/specifications | IEC 60079-11 |
| Note | 2011 |
| Standards/specifications | IEC 60079-15 |
| Note | 2010 |
| Standards/specifications | GB/T 3836.1 |
| Note | 2021 |
| Standards/specifications | GB/T 3836.3 |
| Note | 2021 |
| Standards/specifications | GB/T 3836.4 |
| Note | 2021 |
| Standards/specifications | GB/T 3836.8 |
| Note | 2021 |

## Mounting

| | |
|---|---|
| Mounting type | DIN rail: 35 mm |

## Drawings

Dimensional drawing



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2905497

**UL Listed**
Approval ID: FILE E 138168

**IECEx**
Approval ID: IECEx BVS 14.0017X

**cUL Listed**
Approval ID: FILE E 333250

**UL Listed**
Approval ID: FILE E 333250

**ATEX**
Approval ID: BVS 14 ATEX E 020 X

**NEPSI-EX**
Approval ID: GYJ20.1158X

**CCC**
Approval ID: 2020322316001010

**UKCA-EX**
Approval ID: DEKRA 23UKEX0111X

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27171502 |
| ECLASS-15.0 | 27171502 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001466 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121600 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | d0b4f570-af65-4e23-b0a7-ce2d95fac139 |

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